a) immobilizing a peptide comprising an amino acid sequence selected from SEQ ID NOs: 1-7 and 9-15 onto a flowcell of a sensorchip in a biosensor;

b) contacting a sample to be tested for the presence of the antibody with the immobilized peptide; and

c) detecting binding of the antibody to the immobilized peptide by detecting surface plasmon resonance in the biosensor.

Amended

2 (Amended). The method of Claim 1 wherein the adenovirus is adenovirus 5.

3 (Amended). The method of Claim 1, wherein said sample is human serum.

A2

8 (Amended). The method of Claim 1 wherein a plurality of peptides comprising amino acid sequences selected from SEQ ID NOs: 1-7 and 9-15 are directly immobilized, each on its own separate flowcell.

A3

16 (Amended). A method for detecting an antibody capable of binding to adenovirus comprising the steps of contacting a sample to be tested for the presence of the antibody with a peptide comprising an amino acid sequence selected from SEQ ID NOs: 1-7 and 9-15 and detecting binding between the peptide and the antibody.

A4

18 (Amended). The method of Claim 16 wherein the sample is contacted with a plurality of peptides comprising an amino acid sequence selected from SEQ ID NOs: 1-7 and 9-15.

21(New). The method of claim 16 wherein the sample is human serum.

Amended

22(New). The method of claim 16 wherein the adenovirus is adenovirus 5.

23 (New). A method for detecting an antibody capable of binding to adenovirus comprising the steps of:

a) immobilizing a peptide comprising an amino acid sequence selected from SEQ ID NOs: 1-7 and 9-15;